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FIG.1A

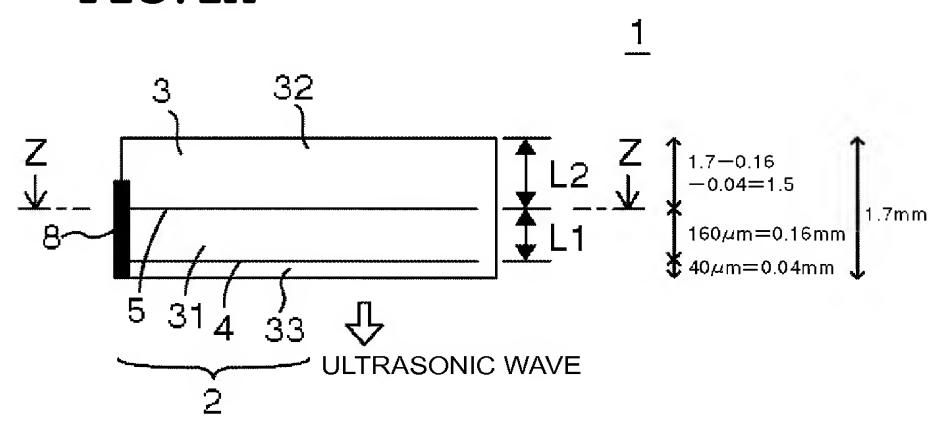
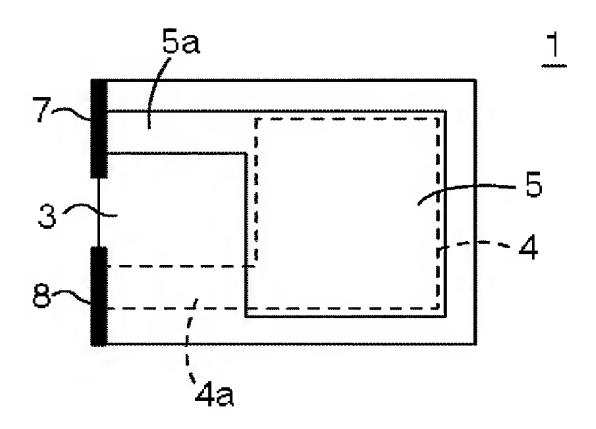


FIG.1B



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FIG.2A

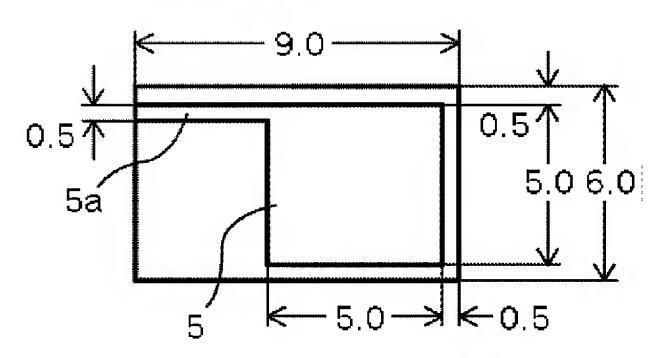


FIG.2B

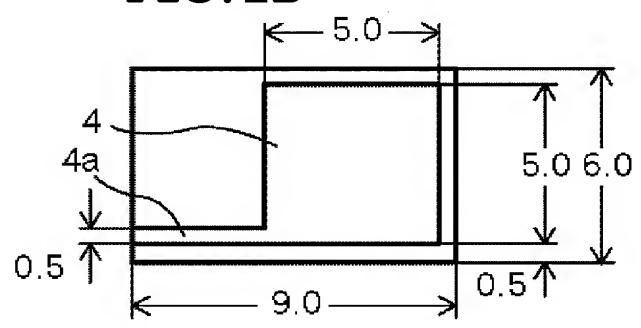
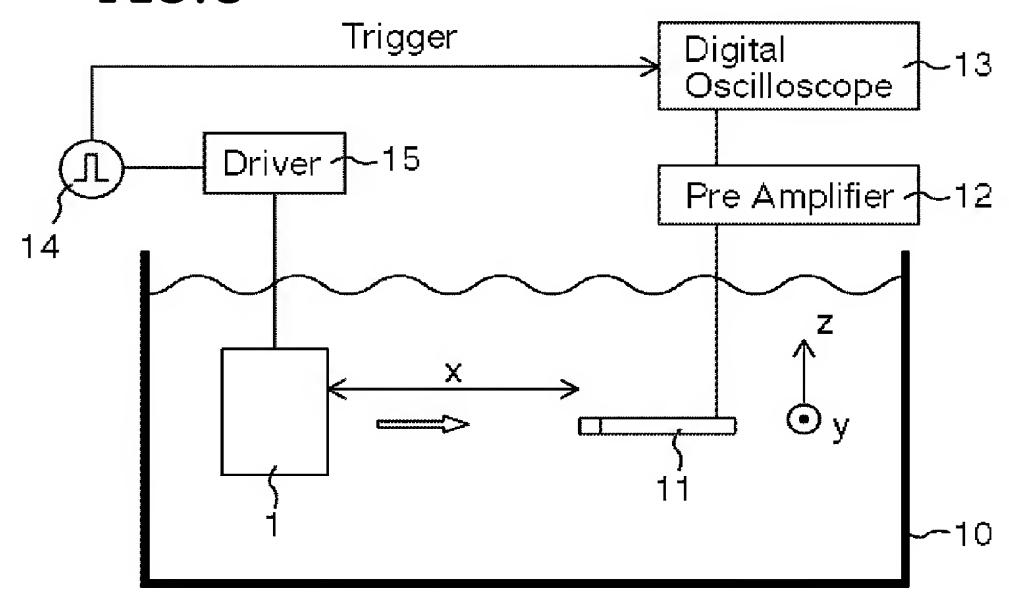
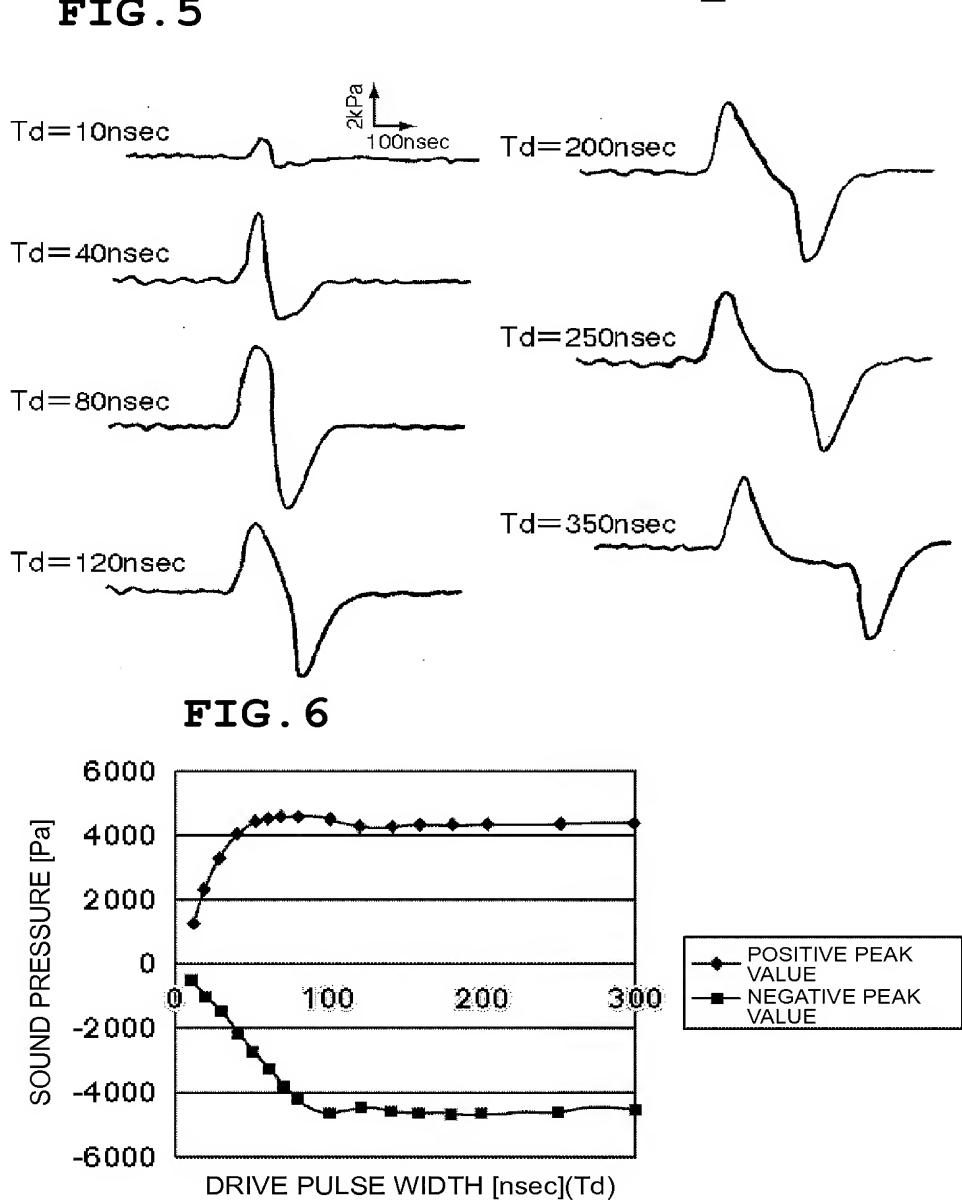


FIG.3

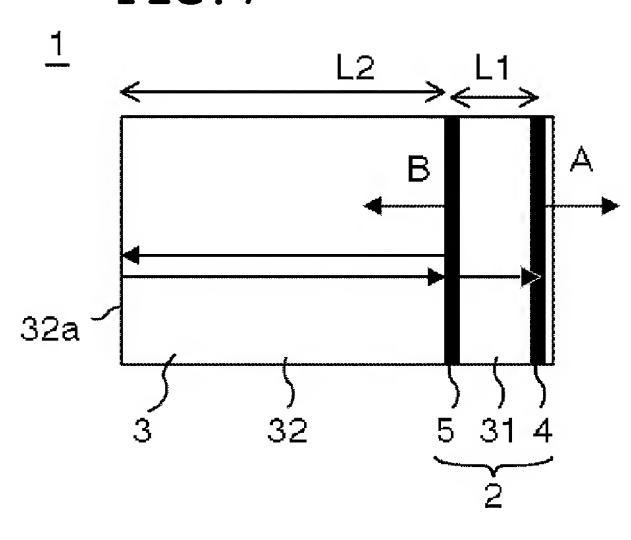


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FIG.7



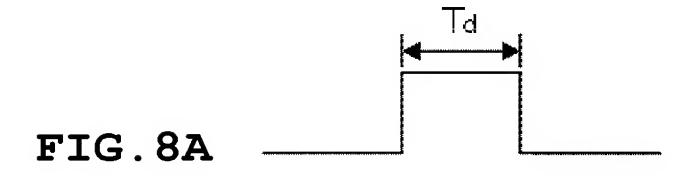
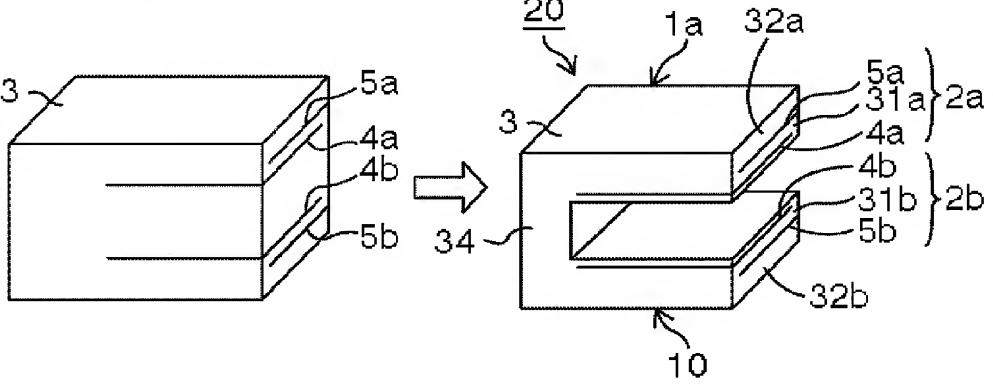


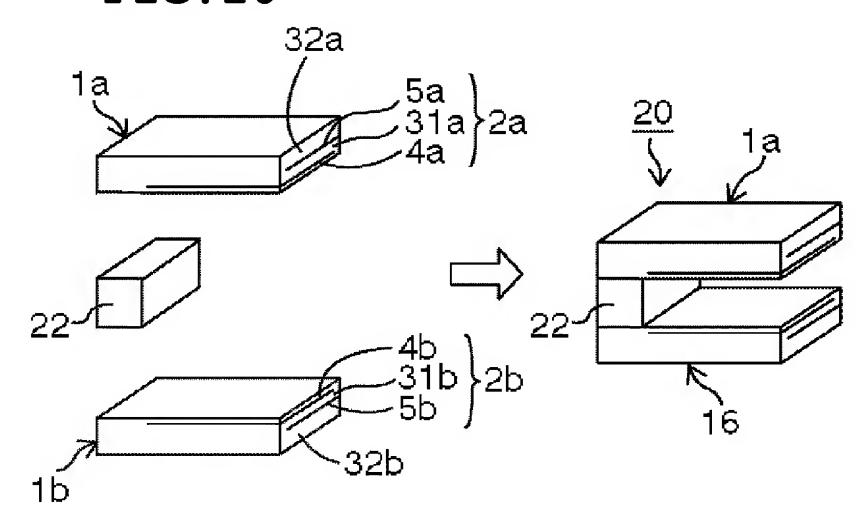


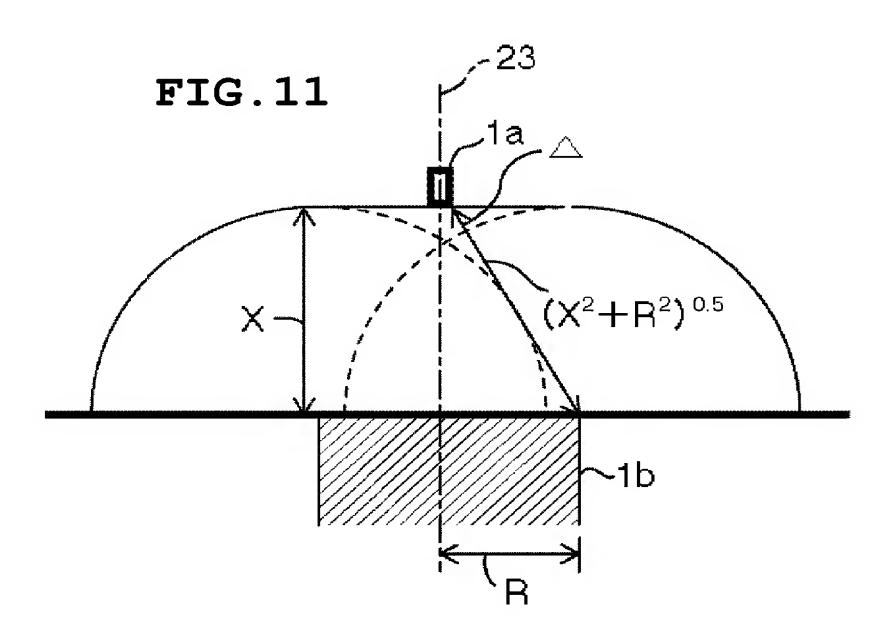
FIG.9



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**FIG.10** 





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FIG. 12A

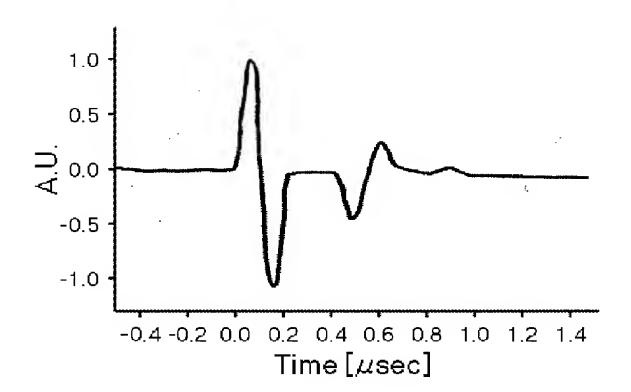


FIG.12B

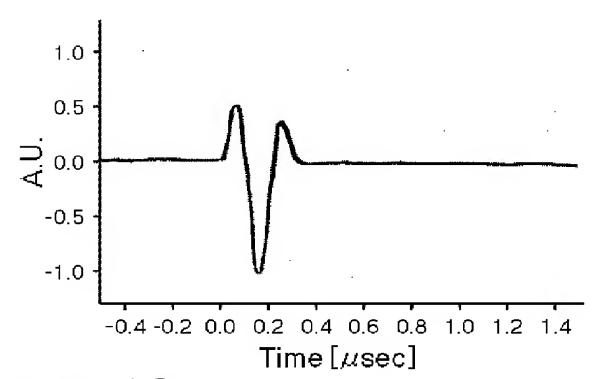
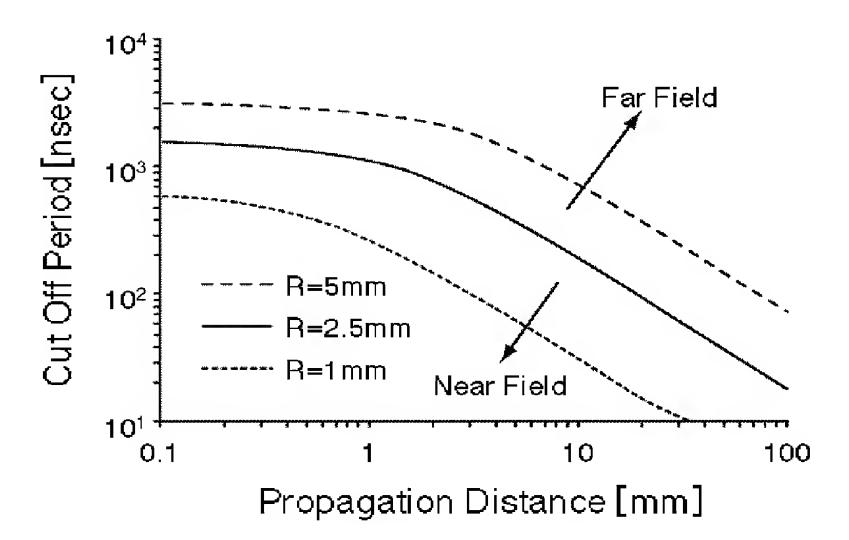
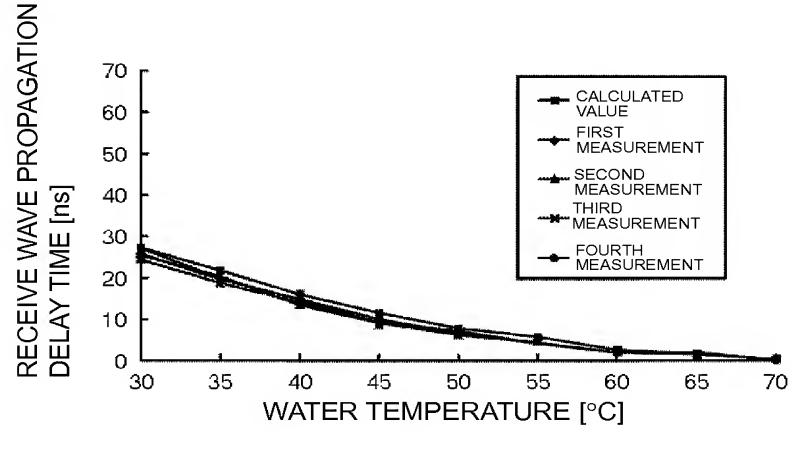


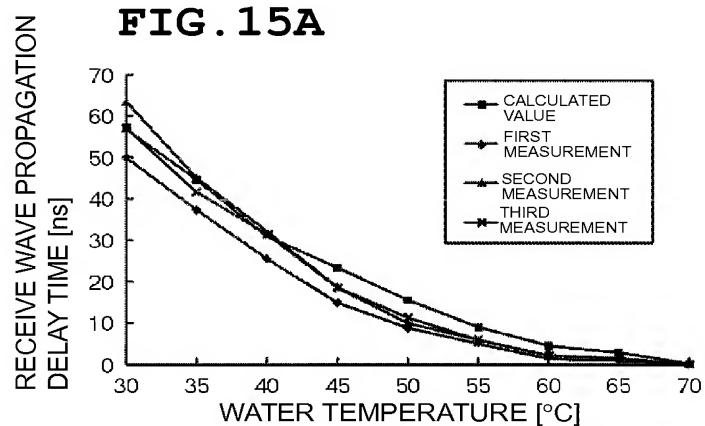
FIG.13



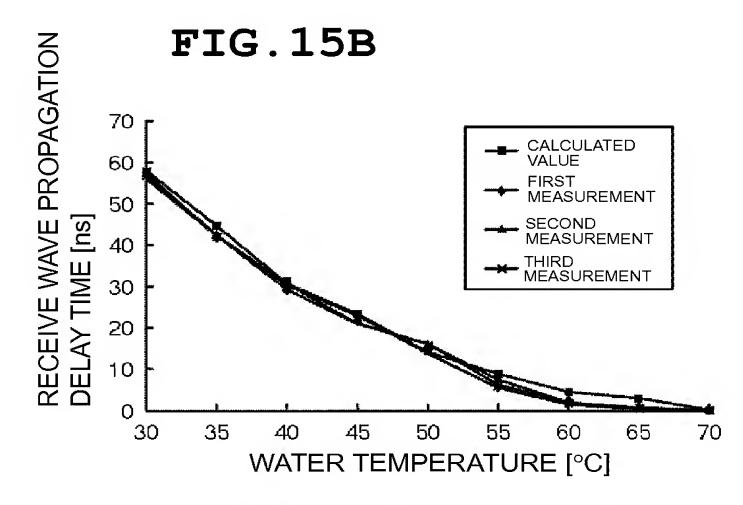
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FIG. 14





SAMPLE BONDED WITH EPOXY RESIN



SAMPLE BONDED WITH GLASS

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FIG. 16

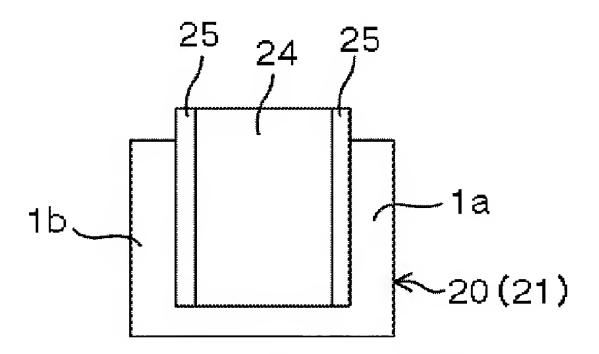


FIG.17A

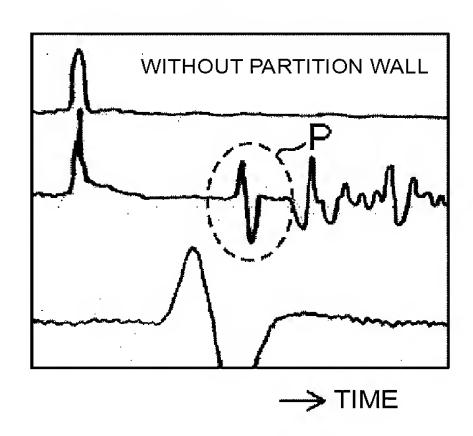
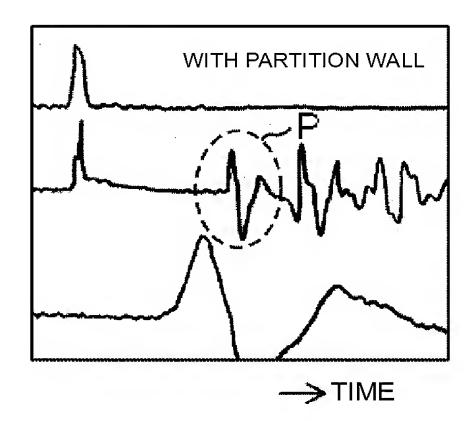


FIG.17B



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FIG. 18

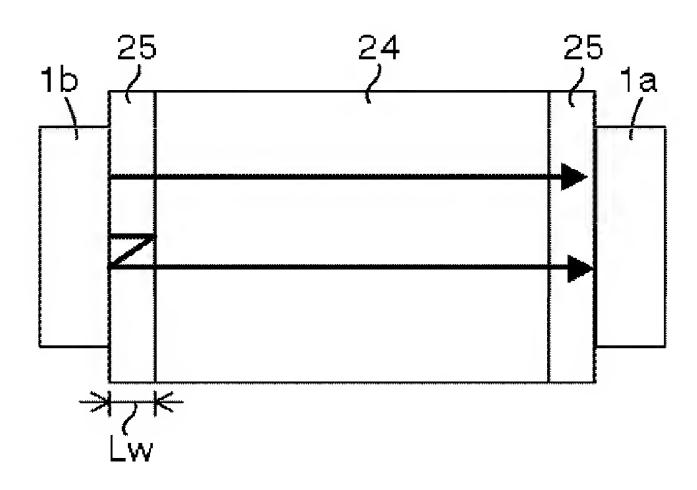


FIG.19A

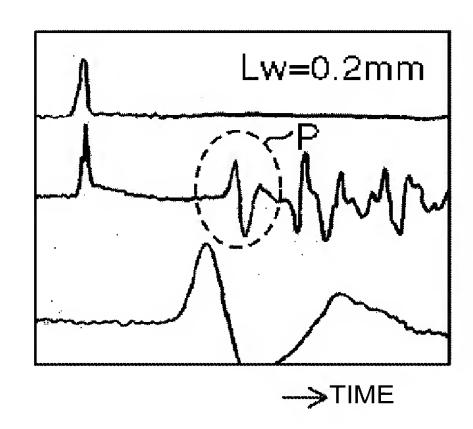
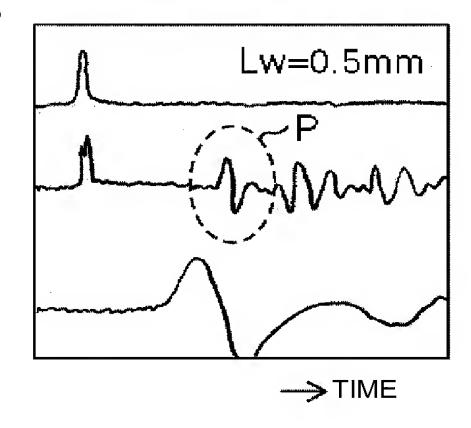
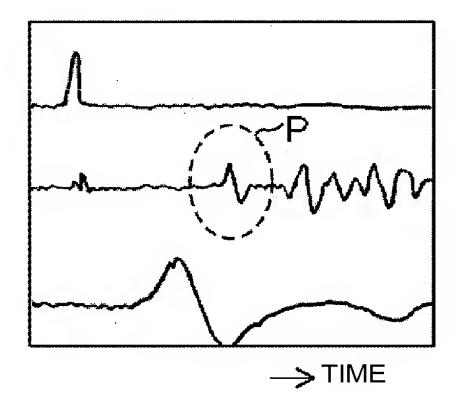


FIG.19B



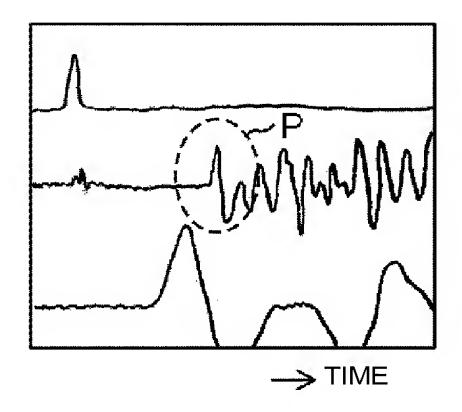
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FIG.20A



MEASUREMENT RESULT OF A SAMPLE BONDED WITH A POLYCARBONATE HAVING A THICKNESS OF 0.5 mm

FIG.20B



MEASUREMENT RESULT OF A SAMPLE BONDED WITH A LIQUID CRYSTAL POLYMER HAVING A THICKNESS OF 0.5 mm

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## FIG.21

MATERIAL	DENSITY (kg/m³)	SOUND SPEED (m/s)	CHARACTERISTIC IMPEDANCE (10 <sup>6</sup> kg/s/m²)
POLYCARBONATE	1171	2330	2.73
LIQUID CRYSTAL POLYMER	1824	3470	6.33
CERAMIC	7800	3950	30.8
WATER	998	1483	1.48

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## FIG.22A

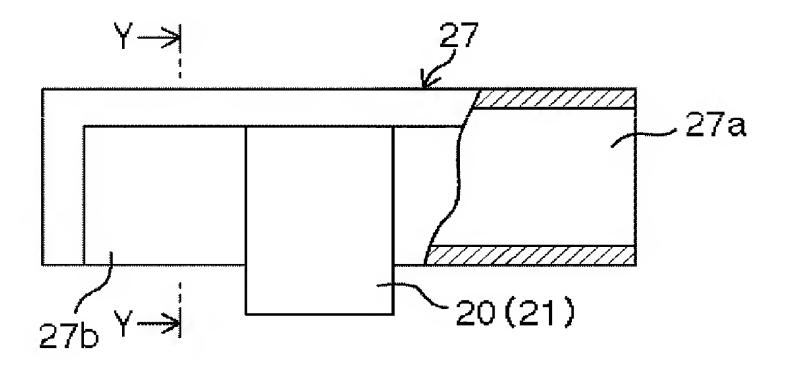


FIG.22B

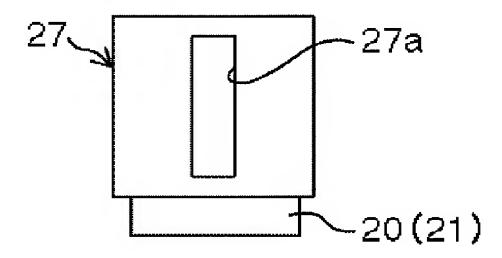
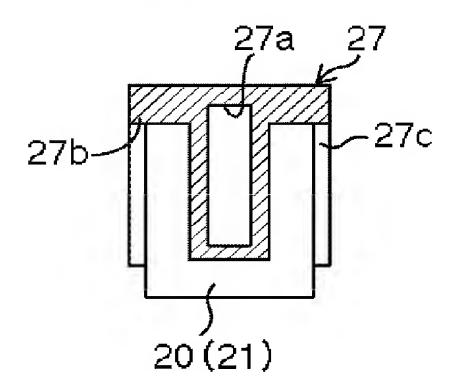
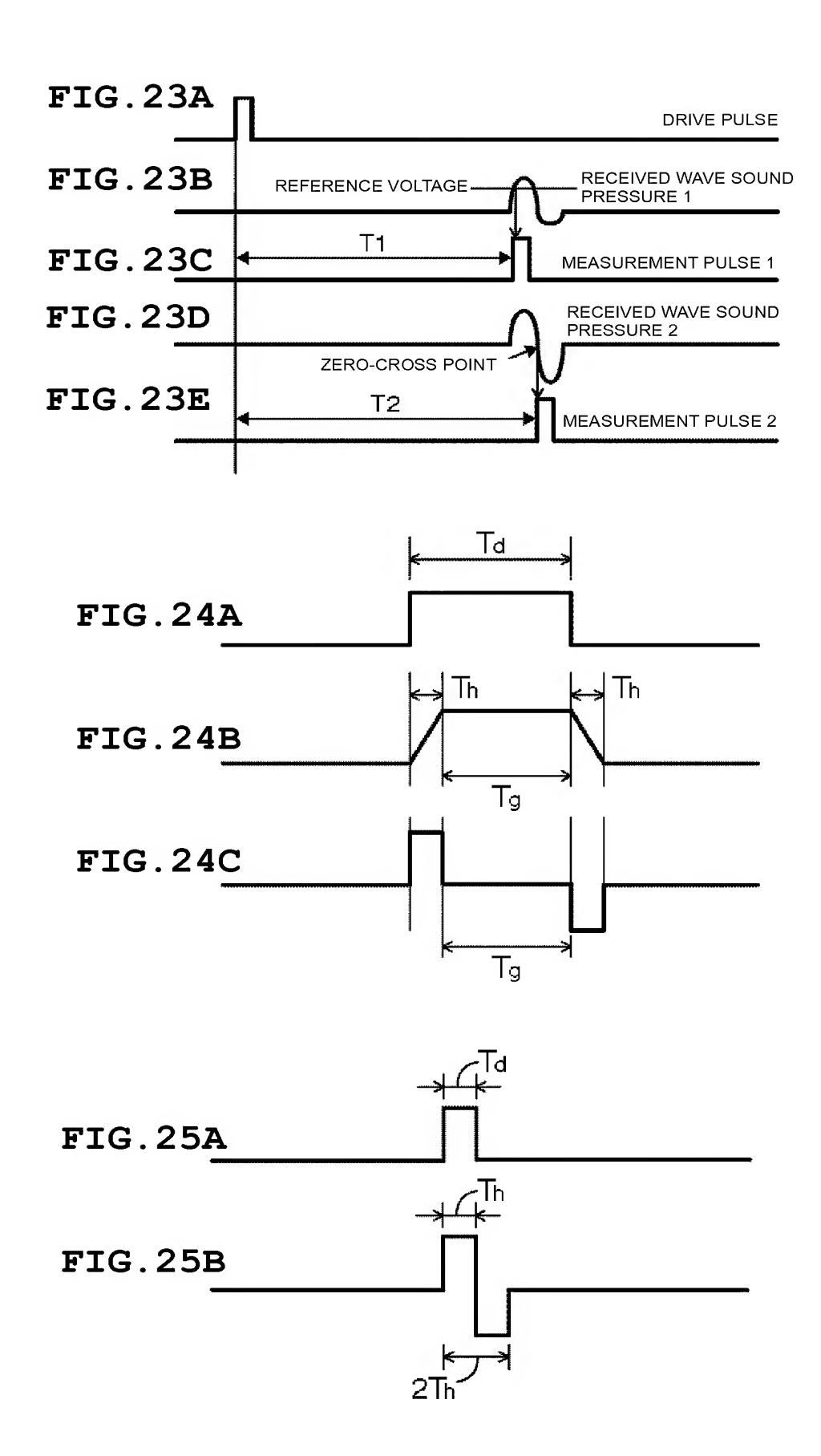


FIG.22C



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